

**Augusta Complex East Campus  
Kennebec County  
Augusta, Maine  
A-23-71-J-M (SM)**

**Departmental  
Findings of Fact and Order  
Air Emission License  
Amendment #4**

After review of the air emissions license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

**I. REGISTRATION**

**A. Introduction**

1. Augusta Complex East Campus (ACEC) of Augusta, Maine was issued Air Emission License A-23-71-F-R on July 10, 2000, permitting the operation of emission sources associated with their state offices and mental health facility. The license was subsequently amended on May 28, 2002 (A-23-71-G-A), December 2, 2002 (A-23-71-H-M), and on June 3, 2003 (A-23-71-I-M).
2. ACEC has requested a minor revision to their license in order to convert the boilers from #6 fuel oil with a maximum sulfur content of 2.0% to #2 fuel oil with a maximum sulfur content of 0.5%. ACEC has also requested an increase in the annual fuel limit from 636,840 to 700,000 gallons per year.

**B. Revision Description**

ACEC is in the process of converting their boilers from #6 fuel oil to #2 fuel oil. It is anticipated that conversion of all three boilers will be completed by February 28, 2004.

ACEC has also requested an increase in the facility's annual fuel limit to offset the slightly lower heating value of #2 fuel oil.

**C. Application Classification**

This amendment will increase emissions by less than 4 ton/year for each single pollutant and less than 8 ton/year for all pollutants combined. Therefore, this modification is determined to be a minor revision and has been processed as such.

D. Annual Emission Restrictions

ACEC shall be restricted to the following annual emissions, based on a 12 month rolling total:

**Total Licensed Annual Emission for the Facility**  
(used to calculate the annual license fee)

	PM	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Boilers #1, #2, #3	5.9	5.9	24.7	24.5	1.8	0.1
Generator #1	0.2	0.2	0.1	3.9	1.0	0.1
<b>Total TPY</b>	<b>6.1</b>	<b>6.1</b>	<b>24.8</b>	<b>28.4</b>	<b>2.8</b>	<b>0.2</b>

**ORDER**

The Department hereby grants Air Emission License Minor Revision A-23-71-J-M, subject to the conditions found in Air Emission License A-23-71-F-R, in the following amendments: A-23-71-G-A, A-23-71-H-M, and A-23-71-I-M and in addition to the following conditions:

**The following shall replace Condition (16) of Air Emission License A-23-71-F-R:**

(16) **Boilers**

- A. Total fuel use for Boilers #1, #2, #3 shall not exceed 700,000 gal/yr of #2 fuel oil with a maximum sulfur content not to exceed 0.5% by weight. Compliance shall be based on fuel receipts from the supplier showing the quantity of fuel delivered and the percent sulfur of the fuel. Records of annual fuel use shall be kept on a 12-month rolling total basis. [MEDEP Chapter 115, BPT]
- B. Emissions shall not exceed the following [MEDEP Chapter 115, BPT]:

Equipment		PM	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>x</sub>	CO	VOC
Boiler #1	lb/MMBtu	0.12	-	-	-	-	-
	lb/hr	3.59	3.59	15.06	14.95	1.07	0.04
Boiler #2	lb/MMBtu	0.12	-	-	-	-	-
	lb/hr	3.52	3.52	14.75	14.65	1.05	0.04
Boiler #3	lb/MMBtu	0.12	-	-	-	-	-
	lb/hr	1.01	1.01	4.23	4.20	0.30	0.01

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C. Visible emissions from Boilers #1, #2, and #3 shall each not exceed 20% opacity on a six (6) minute block average, except for no more than one (1) six (6) minute block averages in a continuous 3-hour period.  
[MEDEP Chapter 101]

**Condition (17) of Air Emission License A-23-71-F-R is deleted.**

**The following are new conditions:**

(31) This amendment shall expire concurrently with Air Emission License A-23-71-F-R.

DONE AND DATED IN AUGUSTA, MAINE THIS                      DAY OF                      2003.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 11/7/03  
Date of application acceptance: 11/10/03

Date filed with the Board of Environmental Protection: \_\_\_\_\_

This Order prepared by Lynn Ross, Bureau of Air Quality.